

GenCore version 4.5
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* OM nucleic - nucleic search, using sw model

Run on: January 24, 2002, 21:47:46 ; Search time 130.07 Seconds
(without alignments)
2287,938 Million cell updates/sec

Title: US-09-464-528-6

Perfect score: 1314

Sequence: 1 tctagatcaaacatcaccc.....ttttgaagtataaccatg 1314

Scoring table: IDENTITY_NUC

Gapop 10.0, Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA: *
1: /cgn2_6/prodata/2/ina/5A.COMB.seq: *
2: /cgn2_6/prodata/2/ina/5B.COMB.seq: *
3: /cgn2_6/prodata/2/ina/6A.COMB.seq: *
4: /cgn2_6/prodata/2/ina/6B.COMB.seq: *
5: /cgn2_6/prodata/2/ina/PCITUS.COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 78 | 5.9 | 7218 | 1 | US-08-232-463-14 |
| 2 | 61.4 | 4.7 | 837 | 4 | US-08-998-416-288 |
| 3 | 56.2 | 4.3 | 636 | 4 | US-08-998-416-1137 |
| 4 | 56 | 4.3 | 19124 | 2 | US-08-487-826B-13 |
| 5 | 55.4 | 4.2 | 615 | 4 | US-08-998-416-186 |
| 6 | 54.4 | 4.1 | 636 | 4 | US-08-998-416-187 |
| 7 | 54.4 | 4.1 | 837 | 4 | US-08-998-416-288 |
| 8 | 54.2 | 4.1 | 1186 | 2 | US-08-731-722-5 |
| 9 | 53.6 | 4.1 | 19124 | 2 | US-08-487-826B-13 |
| 10 | 52.6 | 4.0 | 665 | 2 | US-08-883-795A-36 |
| 11 | 52.2 | 4.0 | 1826 | 4 | US-09-286-691-11 |
| 12 | 52.2 | 4.0 | 1826 | 4 | US-08-687-147-11 |
| 13 | 52 | 4.0 | 8920 | 2 | US-08-446-855A-1 |
| 14 | 52 | 4.0 | 8920 | 4 | US-09-150-741-1 |
| 15 | 51.2 | 3.9 | 3933 | 2 | US-08-731-722-3 |
| 16 | 51.2 | 3.9 | 3933 | 2 | US-08-731-722-3 |
| 17 | 51 | 3.9 | 665 | 2 | US-08-998-416-186 |
| 18 | 51 | 3.9 | 665 | 2 | US-08-883-795A-36 |
| 19 | 50.8 | 3.9 | 602 | 1 | US-08-229-393-1 |
| 20 | 50.2 | 3.8 | 473 | 1 | US-08-764-100-16 |
| 21 | 50.2 | 3.8 | 4730 | 1 | US-08-764-100-16 |
| 22 | 50.2 | 3.8 | 4730 | 1 | US-08-764-100-16 |
| 23 | 50.2 | 3.8 | 8920 | 2 | US-08-446-855A-1 |
| 24 | 50.2 | 3.8 | 8920 | 4 | US-09-150-741-1 |
| 25 | 49.8 | 3.8 | 4467 | 1 | US-08-565-907A-1 |
| 26 | 49.8 | 3.8 | 4467 | 2 | US-08-910-551B-1 |
| 27 | 49.8 | 3.8 | 4467 | 2 | US-08-909-425A-1 |

| | | | | | | |
|----|------|-----|-------|---|-------------------|--------------------|
| 28 | 49.4 | 3.8 | 1611 | 6 | US-07-593-657-14 | Patent No. 5213972 |
| 29 | 49.2 | 3.7 | 319 | 1 | US-07-593-657-14 | Sequence 14, Appl |
| 30 | 49 | 3.7 | 1850 | 2 | US-08-617-860B-32 | Sequence 32, Appl |
| 31 | 49 | 3.7 | 4098 | 2 | US-08-605-106-4 | Sequence 4, Appl |
| 32 | 48.8 | 3.7 | 6152 | 4 | US-08-973-462-1 | Sequence 1, Appl |
| 33 | 48.6 | 3.7 | 1857 | 4 | US-09-299-378-3 | Sequence 3, Appl |
| 34 | 48.6 | 3.7 | 6152 | 4 | US-08-973-462-1 | Sequence 1, Appl |
| 35 | 48.4 | 3.7 | 1230 | 4 | US-09-140-466-1 | Sequence 1, Appl |
| 36 | 48.2 | 3.7 | 6768 | 1 | US-08-107-755A-1 | Sequence 1, Appl |
| 37 | 48.2 | 3.7 | 8457 | 1 | US-07-991-867B-1 | Sequence 1, Appl |
| 38 | 48.2 | 3.7 | 8457 | 2 | US-08-544-352-1 | Sequence 1, Appl |
| 39 | 47.8 | 3.6 | 5590 | 3 | US-08-882-046-1 | Sequence 1, Appl |
| 40 | 47.8 | 3.6 | 12124 | 1 | US-08-181-271A-36 | Sequence 36, Appl |
| 41 | 47.8 | 3.6 | 12124 | 1 | US-08-449-315-36 | Sequence 36, Appl |
| 42 | 47.8 | 3.6 | 12124 | 1 | US-08-444-803-36 | Sequence 36, Appl |
| 43 | 47.8 | 3.6 | 12124 | 1 | US-08-449-043-36 | Sequence 36, Appl |
| 44 | 47.8 | 3.6 | 12124 | 1 | US-08-456-265A-36 | Sequence 36, Appl |
| 45 | 47.8 | 3.6 | 12124 | 4 | US-09-350-600-36 | Sequence 36, Appl |

ALIGNMENTS

RESULT 1
US-08-232-463-14
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEFFLINGER, F.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29, 768
REFERENCE/DOCKET INFORMATION: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)856-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZgpt-fls
US-08-232-463-14

```

Query Match          5.9%; Score 78; DB 1; Length 7218;
Best Local Similarity 3.8%; Pred. NO. 1.1e-06;
Matches 15; Conservative 241; Mismatches 136; Indels 0; Gaps 0;

QY 554 ctttcgcatctacaccccgccacccggtctccctataaattgaactcaatgct 613
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1071 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1130

QY 614 cccctctaactcgtacgtctcagagttgagccaaagacacactcgtcatatctct 673
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1131 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1190

QY 674 ctgcctctctctctctcctacacccaagtaactctctcctccctcccaaatccta 733
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1191 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1250

QY 734 gattccgtggtcaatttcgagactctgctgcttgccttgccttcttcctc 793
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1251 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1310

QY 794 aactggtcactcagatcgaatgtaactctctcttaatactcgcgaatcac 853
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1311 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1370

QY 854 gcgttgaccttcagatcagtcgaatcattcataatgctctctctttagctt 913
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1371 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1430

QY 914 atgagaataaatacatctttttttatttcaaa 945
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1431 yyygtaccanaattcttcttactttaaacta 1462

RESULT 2
US-08-998-416-288/C
; Sequence 288, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtle, Philipp
; APPLICANT: Redischung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSEYII
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation
; STREET: 3054 Cornwalis Road
; CITY: Research Triangle Park
; STATE: No. 6239264th Carolina
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/998,416
; FILING DATE: 24-DEC-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: CH 0016/97
; FILING DATE: 31-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Meigs, J. Timothy
; REGISTRATION NUMBER: 38,241
; REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8587

```

```

TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 288:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 837 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: PAG1241RP
US-08-998-416-288

Query Match          4.7%; Score 61.4; DB 4; Length 837;
Best Local Similarity 54.7%; Pred. NO. 0.0011;
Matches 122; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 72 atataatcatttttlaagatatataaagaatttaaaagaatgt 131
      | | | | | | | | | | | | | | | | | | | | | |
DB 565 AATAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 506

QY 132 ataaatatataatcattgattttcattacatttgatttgataataatattttt 191
      | | | | | | | | | | | | | | | | | | | | | |
DB 505 AATAAATTAATTAATTAAGAAATTAAGTTAAATTAATTTAATTAATTTCTTAATAA 446

QY 192 ttaattcttaaaaaatgltgcaagacattatlagacatgctgtctgttaca 251
      | | | | | | | | | | | | | | | | | | | | | |
DB 445 AGATTAAATTAATTAATCAACATTAATTTAAATTAATTAATTAATTAATTAATTAAT 386

QY 252 agcatcattcatttaacattaaaaaatttaataactaca 294
      | | | | | | | | | | | | | | | | | | | | | |
DB 385 AATTACAAATTTTAATTAATTAATTAATTTAATTAATTAATTAATTAATTAATTA 343

RESULT 3
US-08-998-416-1137/C
; Sequence 1137, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtle, Philipp
; APPLICANT: Redischung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSEYII
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation
; STREET: 3054 Cornwalis Road
; CITY: Research Triangle Park
; STATE: No. 6239264th Carolina
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/998,416
; FILING DATE: 24-DEC-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: CH 0016/97
; FILING DATE: 31-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Meigs, J. Timothy
; REGISTRATION NUMBER: 38,241
; REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8587

```



```

1 FILING DATE: 31-DEC-1996
2 ATTORNEY/AGENT INFORMATION:
3 NAME: Meigs, J. Timothy
4 REGISTRATION NUMBER: 38, 241
5 REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
6 TELECOMMUNICATION INFORMATION:
7 TELEPHONE: 919-541-8587
8 TELEFAX: 919-541-8689
9 INFORMATION FOR SEQ ID NO: 186:
10 SEQUENCE CHARACTERISTICS:
11 LENGTH: 615 base pairs
12 TYPE: nucleic acid
13 STRANDEDNESS: single
14 TOPOLOGY: linear
15 MOLECULE TYPE: DNA (genomic)
16 ORIGINAL SOURCE:
17 ORGANISM: PAG1074RP
18
19 JS-08-998-416-186

```

| | | | | |
|---------------------------|-------|------------------|-----------|-------------|
| Query Match | 4.2% | Score 55.4; | DB 4; | Length 615; |
| Best Local Similarity | 51.0% | Pred. No. 0.015; | | |
| Matches 131; Conservative | 0; | Mismatches 126; | Indels 0; | Gaps 0 |

| | | | |
|----|-----|---|-----|
| QY | 36 | atctccctccacaatccactaactatctttgggttbaaacattcaacattatctttaaagata | 95 |
| Db | 338 | ATATATTTTATTTTATTAAGATTTAAATTTATTTTAAATATGTGAATTTATTTATTTAT | 397 |
| QY | 96 | ttaactaagaanaattaaagattcttttaaaaaagtcgaataattatcatcttcagattt | 155 |
| Db | 398 | ATATATTTCTATTTTATTAATATTTATGTGATTTTATTTATTTAACTTTTATTAAGATTT | 457 |
| QY | 156 | tccaacatttgatttgtaataaataatatttttttaattcttcaaaaaagttgcga | 215 |
| Db | 458 | ATATTTAAATTTAATTTTAACTTTAATTTCTTATTTATTTAATTTTATTTAATTAATAA | 517 |
| QY | 216 | gaacactatattagacaaagctctgctcgtttcaaaaaagcatcactcaatcaatcaat | 275 |
| Db | 518 | TTTATTTCAATTTTATTTATTTATTTATTTAATTTAATTAATTTTATTTAATTTATTTAT | 577 |
| QY | 276 | aaaataattcaactactaa | 292 |
| Db | 578 | CATTATTTAATTAATTA | 594 |

RESULT 6
 US-08-998-416-1137
 Sequence 1137 Application US/08998416
 Patent No. 6239264
 GENERAL INFORMATION:
 APPLICANT: Philippsen, Peter
 APPLICANT: Pohlmann, Rainer
 APPLICANT: Steiner, Sabine
 APPLICANT: Mohr, Christine
 APPLICANT: Wendland, Jurgen
 APPLICANT: Knechtle, Philipp
 APPLICANT: Reibschung, Corinne
 TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPII
 TITLE OF INVENTION: AND USES THEREOF
 NUMBER OF SEQUENCES: 1152
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6239264artis Corporation
 STREET: 3054 Cornwallis Road
 CITY: Research Triangle Park
 STATE: No. 6239264th Carolina
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 1137:
SEQUENCE CHARACTERISTICS:
LENGTH: 636 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1692RP
US-08-998-416-1137

Query Match 4.18; Score 54.4; DB 4; Length 636;
Best Local Similarity 53.68; Pred. No. 0.023;
Matches 135; Conservative 0; Mismatches 116; Indels 1; Gaps 1.

| | | | |
|----|-----|---|-----|
| QY | 37 | tcctccctcccaacacacacacattcttggggttaacattcaatccattcttcaagat | 96 |
| Db | 82 | TATTATTATCATTTATTATAATAATTAAATTATTTGATTATTAATCTATTATTAATTAT | 141 |
| QY | 97 | taattagaagaattaaagatttttcaaaaaagtaaaagaattatctctcgtgttt | 156 |
| Db | 142 | TATATATATTACTTATATTCATCATTTATTAATTATATTAATTATTAATAAT -ATTTA | 200 |
| QY | 157 | tcctacattgatttggataaataatcatcttttttcaattcttcaaaaaagtcgcaag | 216 |
| Db | 201 | ATTATGAAATCTATTTTTGCTATGTTCAAAATTTTAAATTAAGTATTTAAATAATTATATGAT | 260 |
| QY | 217 | acacattcaagacatagtcgtgctcgtttcaaaaaagcatcabcalttaacatlaaa | 276 |
| Db | 261 | ATTATTAATTTCTTTATATTAATTATTAATTAATGATTATCAATAATTAATATTAATTTAT | 320 |
| QY | 277 | aaatatttaata | 288 |
| Db | 321 | TAATTGTTATTA | 332 |

RESULT 7
 US-08-998-416-286
 Sequence 288 Application US/08998416
 Patent No. 6239264
 GENERAL INFORMATION:
 APPLICANT: Philippson, Peter
 APPLICANT: Pohlmann, Rainer
 APPLICANT: Steiner, Sabine
 APPLICANT: Mohr, Christine
 APPLICANT: Wendland, Jürgen
 APPLICANT: Knechtle, Philipp
 APPLICANT: Reibschung, Corinne
 TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSTYPII
 TITLE OF INVENTION: AND USES THEREOF
 NUMBER OF SEQUENCES: 1152
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6239264artis Corporation
 STREET: 3054 Cornwalis Road
 City: Research Triangle Park
 STATE: NO. 6239264th Carolina
 COUNTRY: USA
 Zip: 27709
 COMPUTER READABLE FORM:

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 288:
SEQUENCE CHARACTERISTICS:
LENGTH: 837 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1241RP
US-08-998-416-288

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Query Match      4.1%; Score 54.4; DB 4; Length 837;
Best Local Similarity 53.6%; Pred. No. 0.024;
Matches 135; Conservative 0; Mismatches 116; Indels 1; Gaps 1;

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QY 37 tctcttaacacatcattatcttggttaataatcatcatctatctttaaagat 96
    || || || || || || || || || || || || || || || || || ||
DB 82 TATATATATCATTTATTAATAATTTATTTGATTATTAATCTTATATATATAT 141
QY 97 taattagaataaagatttttaaaaaatgataaataatataatcatcatctt 156
    || || || || || || || || || || || || || || || || || ||
DB 142 TATATATTTACTTAATTCATTCATTTATTTATTTATTTATTAATAATAAT 200
QY 157 tcaatcatctgatttgataataataatcttctttaaacttaaaaaagtgcaag 216
    || || || || || || || || || || || || || || || || || ||
DB 201 ATATGATATCTATTTACTCTATCTGCAATTTTAATTTAGTTATTAATAAT 260
QY 217 acacttaatagacatgcttctgcttcttacaagaacatcatcatataacaa 276
    || || || || || || || || || || || || || || || || || ||
DB 261 ATATATATTTCTTTATAATAATTTAATAATAGATATATCAATTAATATTT 320
QY 277 aaatattataa 288
    || || || || || ||
DB 321 AATGTTTATTA 332

```

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RESULT 8
US-08-731-722-5/c
Sequence 5, Application US/08731722
Patent No. 5961971
GENERAL INFORMATION:
APPLICANT: Martin, Frank N.
TITLE OF INVENTION: Biocontrol of Fungal Soilborne Pathogens
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Saliwanichk & Saliwanichk
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: US
ZIP: 32606-6669
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/731,722
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Whitlock, Ted W.
REGISTRATION NUMBER: 36,965
REFERENCE/DOCKET NUMBER: UF-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 352-375-8100
TELEFAX: 352-372-5800
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1186 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: 23-5
US-08-731-722-5

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```

Query Match      4.1%; Score 54.2; DB 2; Length 1186;
Best Local Similarity 59.3%; Pred. No. 0.027;
Matches 112; Conservative 0; Mismatches 73; Indels 4; Gaps 1;

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QY 52 tactaatatttgggttaataataatcatcatctttaaagatataaagaataa 111
    || || || || || || || || || || || || || || || || || ||
DB 595 TATGGAAGATTTCCTATACACTATTAAGATTATAGCATCTACGTFATAATCAG 536
QY 112 aagatttttaaaaaatgataaataatcatcatctgatttccatcatgatt 171
    || || || || || || || || || || || || || || || || || ||
DB 535 ATCATTTATTTAAATAATTAATAAAGTT-----TTCAATATTTTAAATAATATTC 480
QY 172 tgaataaataatattttttaaattcttaaaaaatgctgcaagacactatagacat 231
    || || || || || || || || || || || || || || || || || ||
DB 479 TTAATGAAGATTTTCATTTAATTTTAAAGTTATATCTTTAAAGATATATCTTAAAGATAT 420
QY 232 agctctgt 240
    || || || || ||
DB 419 AATTTAATT 411

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RESULT 9
US-08-487-826B-13/c
Sequence 13, Application US/08487826B
Patent No. 5939827
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chltnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellens, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbie Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelson, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-487-826B-13

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Query Match      4.1% Score 53.6; DB 2; Length 19124;
Best Local Similarity 45.9%; Pred. No. 0.05;
Matches 221; Conservative 0; Mismatches 259; Indels 2; Gaps 1;

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QY 818 tgaacctactcttcttaataatcgcggaatcgcgttcgaccttcagatcagtcg 877
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15940 TTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTA 15881

QY 878 aaatcattcattatgccttcttcttcttcttcttcttcttcttcttcttcttct 937
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15880 AATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 15821

QY 938 tatccaataaaccctggcgctgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgc 997
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15820 TATTTT-AAATTAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 15763

QY 998 tttagcgaaatttgcatttgcatttgcatttgcatttgcatttgcatttgcatttgc 1057
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15762 TTTTATTTTATTTATGATATATTTTATTTTATTTTATTTTATTTTATTTTATTTT 15703

QY 1058 catcacctccttagcctcaatttatcgcgataaggtccacaatagaaatccaaactt 1117
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15702 TTTATGATATATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 15643

QY 1118 gagcaggggaattacccctcctcctcctcctcctcctcctcctcctcctcctcct 1177
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15642 TTTTATATATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 15583

QY 1178 gaaactttgcttaattcctatataactttttatagcacaatcttgcacgtgtc 1237
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15582 TCATTTTATTTATTTATCAAAATTTTATTTTATTTTATTTTATTTTATTTTATTT 15523

QY 1238 tttagcctcctccttgaatttcttcttcttcttcttcttcttcttcttcttctt 1297
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 15522 TTTTCCTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 15463

QY 1298 tt 1299
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DB 15462 TT 15461

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RESULT 10
US-08-883-795A-36
; Sequence 36, Application US/08883795A
; Patent No. 5985607
; GENERAL INFORMATION:
; APPLICANT: Delcuve, Genevieve
; APPLICANT: Awang, Gregor
; TITLE OF INVENTION: Recombinant DNA Molecules and Expression
; TITLE OF INVENTION: Vectors for Tissue Plasmidogen Activator

```

```

NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESS: BERESKIN & PARR
STREET: 40 King Street West
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5H 3Y2
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/883,795A
FILING DATE: 27-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gravelle, Michelle
REGISTRATION NUMBER: 40,261
REFERENCE/DOCKET NUMBER: 7841-062
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 665 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: Rh 32
US-08-883-795A-36

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Query Match      4.0% Score 52.6; DB 2; Length 665;
Best Local Similarity 55.1%; Pred. No. 0.05;
Matches 124; Conservative 0; Mismatches 99; Indels 2; Gaps 1;

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QY 73 tattaatcattattttaagatataatgaatataaagatttttaaaaaatgta 132
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DB 25 TATATTAATTAATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 84

QY 133 taaattatattatcagatttctacatttgcatttgcatttgcatttgcatttgcattt 192
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 85 TATATTAATTAATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 142

QY 193 taattccttaaaaatgcttgcagacacattatagacatagcttctctgtttacaaa 252
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 143 TTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 202

QY 253 gcatcctcatttaacattataaataatttaataacttaactaacagta 297
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 203 TTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 247

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RESULT 11
US-09-286-691-11
; Sequence 11, Application US/09286691
; Patent No. 6190189
; GENERAL INFORMATION:
; APPLICANT: Li, Xin-Liang
; APPLICANT: Ljungdahl, Lars G.
; APPLICANT: Chen, Huizhong
; TITLE OF INVENTION: Cellulases and Coding Sequences
; FILE REFERENCE: 42-96
; CURRENT APPLICATION NUMBER: US/09/286,691
; CURRENT FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 60/027,883
; EARLIER FILING DATE: 1996-10-04

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; EARLIER APPLICATION NUMBER: PCT US97/18008
; EARLIER FILING DATE: 1997-10-03
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1826
; TYPE: DNA
; ORGANISM: Orpinomyces sp. PC-2
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (69)..(1481)
US-09-286-691-11

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Query Match          4.0%; Score 52.2; DB 4; Length 1826;
Best Local Similarity 49.8%; Pred. No. 0.068;
Matches 133; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

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QY 13 tcaatccaaacatacagatgatactccttaaccaatcactaatttttgggttaa 72
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Db 1501 ttcaaacataataaatttttagtaaaaaataaagaataatttttaaaaaaat 1560

QY 73 tattaacattattttaagataataagaataaagaatttttaaaaaaagta 132
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1561 attatataattgataataataataataataataataataataataataata 1620

QY 133 taaattatatttcatgatttttcatcattgttattgttataataatattttt 192
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1621 aaaaatacataaacaagaataaataaatttttagtattgtataaatttatt 1680

QY 193 taattcttaaaaaatgttcagacactatagacatagcttctgttccaaaa 252
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagttaataatgataaaaaaaataataataatttttgattgtattgtcata 1740

QY 253 gcatctcatttaatacataaa 277
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1741 agaataataataataactttaaa 1765

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```

RESULT 12
US-09-687-147-11
; Sequence 11, Application US/09687147
; Patent No. 6268198
; GENERAL INFORMATION:
; APPLICANT: Li, Xin-Liang
; APPLICANT: Ljungdahl, Lars G.
; APPLICANT: Chen, Huizhong
; TITLE OF INVENTION: Cellulases and Coding Sequences
; FILE REFERENCE: 42-96a
; CURRENT APPLICATION NUMBER: US/09/687,147
; CURRENT FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: US 60/027,883
; PRIOR FILING DATE: 1996-10-04
; PRIOR APPLICATION NUMBER: PCT US97/18008
; PRIOR FILING DATE: 1997-10-03
; PRIOR APPLICATION NUMBER: 09/286,691
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1826
; TYPE: DNA
; ORGANISM: Orpinomyces sp. PC-2
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (69)..(1481)
US-09-687-147-11

```

```

Query Match          4.0%; Score 52.2; DB 4; Length 1826;
Best Local Similarity 49.8%; Pred. No. 0.068;
Matches 133; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

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QY 13 tcaatccaaacatacagatgatactccttaaccaatcactaatttttgggttaa 72
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1501 ttcaaacataataaatttttagtaaaaaataaagaataatttttaaaaaaat 1560

QY 73 tattaacattattttaagataataagaataaagaatttttaaaaaaagta 132
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1561 attatataattgataataataataataataataataataataataataata 1620

QY 133 taaattatatttcatgatttttcatcattgttattgtataataatattttt 192
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1621 aaaaatacataaacaagaataaataaatttttagtattgtataaatttatt 1680

QY 193 taattcttaaaaaatgttcagacactatagacatagcttctgttccaaaa 252
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagttaataatgataaaaaaaataataataacttttgattgtattgtcata 1740

QY 253 gcatctcatttaatacataaa 277
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1741 agaataataataataactttaaa 1765

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RESULT 13
US-08-446-855A-1/C
; Sequence 1, Application US/08446855A
; Patent No. 5849573
; GENERAL INFORMATION:
; APPLICANT: Stewart, Thomas S
; APPLICANT: Flores, Maria Y
; APPLICANT: O Sullivan, William J
; TITLE OF INVENTION: Nucleotide sequence encoding carbamoyl
; TITLE OF INVENTION: phosphate synthetase II
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderye PC
; STREET: 1100 No. 5849573th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,855A
; FILING DATE: 08-Jul-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mitchard, Leonard C
; REGISTRATION NUMBER: 29,009
; REFERENCE/DOCKET NUMBER: 47-80
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8920 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: genomic
US-08-446-855A-1

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Query Match          4.0%; Score 52; DB 2; Length 8920;
Best Local Similarity 49.6%; Pred. No. 0.09;
Matches 133; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

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QY 51 ataataattttgggttaaatataatcattatttttaagataataaagaata 110
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Db 777 ATATTATATATATATATATATTTTCCATTTCCTTTTATATATATTTT 718

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QY 111 aaagatttttaaaaaatgataataatataatcatcagatttttccatcatttgatt 170
DB 717 AATTTAAGCTTTAAATATTTAATTAATTTACATATACAGTTCTATTTTCATATGTAAT 658
QY 171 tggataataataataatcttttcttaattcttaaaaaatgltgcaagacatttgaca 230
DB 657 TTTTCTTTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTAT 538
QY 231 tagctctgtctcgtttacaaaagcattcatcatttaataacatttaataact 250
DB 597 TTTTAACTAGAAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 538
QY 291 aacagtagaattctcttgtagtggt 318
DB 537 AATTATAGGACCAACATATTTGGGAGT 510

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RESULT 14
US-09-150-741-1/c
; Sequence 1, Application US/09150741
; Patent No. 6183996
; GENERAL INFORMATION:
; APPLICANT: Stewart et al.
; TITLE OF INVENTION: Nucleotide Sequence Encoding Cardamomyl Phosphate
; Patent No. 6183996
; FILE REFERENCE:
; TITLE OF INVENTION: Synthetase II
; CURRENT APPLICATION NUMBER: US/09/150,741
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PL6380
; EARLIER FILING DATE: 1992-12-16
; EARLIER APPLICATION NUMBER: A093/00617
; EARLIER FILING DATE: 1993-12-02
; EARLIER APPLICATION NUMBER: 08/446,855
; EARLIER FILING DATE: 1995-07-06
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8920
; TYPE: DNA
; ORGANISM: Plasmodium falciparum
US-09-150-741-1

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Query Match          4.0%; Score 52; DB 4; Length 8920;
Best Local Similarity 49.6%; Pred. No. 0.09;
Matches 133; Conservative 0; Mismatches 135; Indels 0; Gaps 0;

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QY 51 atactaatattttgggttaataatataatcattttttaaagatatlaaagaattta 110
DB 777 AATTTAATATATATATCTATATTTTCCCATTTTCTTTTCTTTTCTTTTCTTTTCTAT 718
QY 111 aaagatttttaaaaaatgataataatataatcatttttcaagatttttcatcatttgatt 170
DB 717 AATTTAAGCTTTAAATATTTAATTAATTTACATATACAGTTCTATTTTCATATGTAAT 658
QY 171 tggataataataataatcttttcttaattcttaaaaaatgltgcaagacatttgaca 230
DB 657 TTTTCTTTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTAT 538
QY 231 tagctctgtctcgtttacaaaagcattcatcatttaataacatttaataact 250
DB 597 TTTTAACTAGAAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 538
QY 291 aacagtagaattctcttgtagtggt 318
DB 537 AATTATAGGACCAACATATTTGGGAGT 510

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RESULT 15
US-08-731-722-3
; Sequence 3, Application US/08731722
; Patent No. 5961971

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; GENERAL INFORMATION:
; APPLICANT: Martin, Frank N.
; TITLE OF INVENTION: Biocontrol of Fungal Soilborne Pathogens
; TITLE OF INVENTION: by Pythium oligandrum
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Saliwanhik & Saliwanhik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: US
; ZIP: 32606-6669
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/731,722
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Whitlock, Ted W.
; REGISTRATION NUMBER: 36,965
; REFERENCE/DOCKET NUMBER: UF-161
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 352-375-8100
; TELEFAX: 352-372-5800
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3933 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: 1986-41
US-08-731-722-3

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Query Match          3.9%; Score 51.2; DB 2; Length 3933;
Best Local Similarity 54.3%; Pred. No. 0.12;
Matches 125; Conservative 0; Mismatches 103; Indels 2; Gaps 1;

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QY 53 actaattatttgggttaaatatbaatcattttttaaagatatlaaagaatttaaa 112
DB 505 AATTTATTTATTTCTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAGG--ATTACA 562
QY 113 agatttttaaaaaatgataataatataatcatttttcaagatttttcatcatttgatt 172
DB 563 ATTTCTGTAAAAAAATTAACCTTCTCTATTTGAAGATTTTATAGCTACTGTTTA 622
QY 173 gataataataataatcttttcttaattcttaaaaaatgltgcaagacattttagacata 232
DB 623 ATTAAAGGTTTAAATTAATTTCTTTTATAGAACATTTAAAAAAATTAATTAATTAAG 682
QY 233 gtctgtctcgtttacaaaagcattcatcatttaataacatttaataact 252
DB 683 GTAGATTGAGAGAAATTAATTAATTTCTTATTAATTAATTAATTAATTAATTAATTAAT 732

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Search completed: January 24, 2002, 22:04:33
Job time: 1007 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 24, 2002, 22:04:33 ; Search time 130.07 Seconds
(without alignments)
3769.700 Million cell updates/sec

Title: US-09-464-528-14

Perfect score: 2165

Sequence: 1 atcagatagacatcgtatc.....gttttgaagataaagatg 2165

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113236999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_NA:*
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2: /cgn2_6/prodata/2/lna/5B.COMB.seq:*
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Pred. NO. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 78 | 3.6 | 7218 | 1 | US-08-232-463-14 |
| 2 | 61.4 | 2.8 | 837 | 4 | US-08-998-416-288 |
| 3 | 57.2 | 2.6 | 3095 | 6 | 5231168-1 |
| 4 | 57 | 2.6 | 837 | 4 | US-08-998-416-288 |
| 5 | 56.4 | 2.6 | 615 | 4 | US-08-998-416-186 |
| 6 | 56.2 | 2.6 | 636 | 4 | US-08-998-416-1137 |
| 7 | 56 | 2.6 | 19124 | 2 | US-08-487-826B-13 |
| 8 | 54.8 | 2.5 | 636 | 4 | US-08-998-416-1137 |
| 9 | 54.2 | 2.5 | 1186 | 2 | US-08-731-722-5 |
| 10 | 53.8 | 2.5 | 6243 | 2 | US-09-056-075-1 |
| 11 | 53.6 | 2.5 | 19124 | 2 | US-08-487-826B-13 |
| 12 | 53.2 | 2.5 | 3138 | 1 | US-07-867-106-4 |
| 13 | 52.6 | 2.4 | 665 | 2 | US-08-883-795A-36 |
| 14 | 52.2 | 2.4 | 1826 | 4 | US-09-286-691-11 |
| 15 | 52.2 | 2.4 | 1826 | 4 | US-09-687-147-11 |
| 16 | 52 | 2.4 | 8920 | 2 | US-08-446-855A-1 |
| 17 | 52 | 2.4 | 8920 | 4 | US-09-150-741-1 |
| 18 | 51.8 | 2.4 | 782 | 4 | US-09-007-119-15 |
| 19 | 51.2 | 2.4 | 665 | 2 | US-08-883-795A-36 |
| 20 | 51.2 | 2.4 | 1431 | 4 | US-09-316-083-2 |
| 21 | 51.2 | 2.4 | 3933 | 2 | US-08-731-722-3 |
| 22 | 51.2 | 2.4 | 3933 | 2 | US-08-731-722-3 |
| 23 | 51 | 2.4 | 615 | 4 | US-08-998-416-186 |
| 24 | 51 | 2.4 | 2539 | 3 | US-08-749-522-3 |
| 25 | 50.8 | 2.3 | 602 | 1 | US-08-229-392-1 |
| 26 | 50.6 | 2.3 | 8920 | 2 | US-08-446-855A-1 |
| 27 | 50.6 | 2.3 | 8920 | 4 | US-09-150-741-1 |

| | | | | | | |
|----|------|-----|------|---|-------------------|--------------------|
| 28 | 50.2 | 2.3 | 473 | 1 | US-08-764-100-16 | Sequence 15, Appl |
| 29 | 50.2 | 2.3 | 1431 | 4 | US-09-316-083-2 | Sequence 2, Appl |
| 30 | 50.2 | 2.3 | 4970 | 1 | US-08-764-100-14 | Sequence 20, Appl |
| 31 | 50.2 | 2.3 | 4970 | 1 | US-08-764-100-20 | Sequence 937, App |
| 32 | 50 | 2.3 | 665 | 4 | US-08-998-416-937 | Sequence 8, Appl |
| 33 | 50 | 2.3 | 2287 | 4 | US-08-845-258-8 | Sequence 8, Appl |
| 34 | 50 | 2.3 | 2287 | 4 | US-08-990-571-8 | Sequence 8, Appl |
| 35 | 50 | 2.3 | 2287 | 4 | US-08-722-142A-8 | Sequence 1, Appl |
| 36 | 49.8 | 2.3 | 4467 | 1 | US-08-563-907A-1 | Sequence 1, Appl |
| 37 | 49.8 | 2.3 | 4467 | 2 | US-08-910-551B-1 | Sequence 1, Appl |
| 38 | 49.8 | 2.3 | 4467 | 2 | US-08-909-425A-1 | Sequence 4, Appl |
| 39 | 49.8 | 2.3 | 9048 | 3 | US-08-973-273-4 | Sequence 1, Appl |
| 40 | 49.6 | 2.3 | 3600 | 3 | US-08-894-731-1 | Sequence 1, Appl |
| 41 | 49.4 | 2.3 | 1611 | 6 | 5213972-6 | Patent No. 5213972 |
| 42 | 49.4 | 2.3 | 2659 | 3 | US-08-749-522-1 | Sequence 1, Appl |
| 43 | 49.2 | 2.3 | 319 | 1 | US-07-593-657-14 | Sequence 14, Appl |
| 44 | 49 | 2.3 | 1850 | 3 | US-08-617-860B-32 | Sequence 32, Appl |
| 45 | 49 | 2.3 | 4098 | 2 | US-08-605-106-4 | Sequence 4, Appl |

ALIGNMENTS

RESULT 1
US-08-232-463-14
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match 3.6%; Score 78; DB 1; Length 7218;
 Best Local Similarity 3.8%; Pred. NO. 1.8e-06;
 Matches 15; Conservative 241; Mismatches 136; Indels 0; Gaps 0;

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QY 1406 ctttcgcgtacattaccccccgcgcgttcctccataattggaacccaatgct 1465
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1071 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1130
QY 1466 ccccttaactcgtatcgtcgaagltgacccaagacacacgtcatalatcct 1525
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Db 1131 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1190
QY 1526 cgtctctctctctctctctacactcgaagtaacttctctccctacaaatccta 1585
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Db 1191 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1250
QY 1586 gattccgttgctcaattcgaactcgtcactcgttgcttgcttgcttcttcctc 1645
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Db 1251 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1310
QY 1646 aactggtccatcgtatcgtcgaactcctactctcttctaataatctgcggaatc 1705
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Db 1311 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1370
QY 1706 gcttggaactcagatcgaatcgaatcattcctaattcctctctctcttcttct 1765
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Db 1371 yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy 1430
QY 1766 acgagaataaaatcatttttttttatttcaaa 1797
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Db 1431 yyygtaaccaaatctctatctctttaaacta 1462

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RESULT 2

US-08-998-416-288/C
 Sequence 288, Application US/08998416
 Patent No. 6239264

GENERAL INFORMATION:
 APPLICANT: Philippsen, Peter
 APPLICANT: Pohlmann, Rainer
 APPLICANT: Steiner, Sabine
 APPLICANT: Mohr, Christine
 APPLICANT: Wendland, Jurgen
 APPLICANT: Knechtle, Philipp
 APPLICANT: Reibschung, Corinne
 TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYPYII
 TITLE OF INVENTION: AND USES THEREOF
 NUMBER OF SEQUENCES: 1152
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6239264artis Corporation
 STREET: 3054 Cornwalls Road
 CITY: Research Triangle Park
 STATE: No. 6239264th Carolina
 COUNTRY: USA
 ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/998,416
 FILING DATE: 24-DEC-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: CH 0016/97
 FILING DATE: 31-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Meigs, J. Timothy
 REGISTRATION NUMBER: 38,241
 REFERENCE/DOCKET NUMBER: PF/5-30306/A/GCCL1976
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-541-8587

TELEFAX: 919-541-8689
 INFORMATION FOR SEQ ID NO: 288:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 837 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:
 ORGANISM: PAC1241RP
 US-08-998-416-288

Query Match 2.8%; Score 61.4; DB 4; Length 837;
 Best Local Similarity 54.7%; Pred. NO. 0.0016;
 Matches 122; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

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QY 924 atataatcatattttaagatataatgaagaataaagatttttaaaaaatgt 983
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Db 565 AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 506
QY 984 ataaatcatatttcaatgatttcaatcatttgatttgataaataatatttt 1043
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Db 505 AATAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 446
QY 1044 ttaattcttaaaaaatgtcgaagacactatgagcatagctgtctgtttacaa 1103
   || || || || || || || || || || || || || || || || || || ||
Db 445 AGATTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 386
QY 1104 agcatcattcattcaatcattcaataaataatcaatacaca 1146
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Db 385 AATTACAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 343

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RESULT 3

US-08-998-416-288/C
 Sequence 288, Application US/08998416
 Patent No. 6239264

GENERAL INFORMATION:
 APPLICANT: DIEGIEL, MORTEN; BORRE, MARTIN; JEPSEN, SOREN;
 APPLICANT: JENSEN, RENECK, KLAUS; WIND, ANNETTE; JAKOBSEN, PALLE H.
 TITLE OF INVENTION: MALARIA ANTIGEN
 NUMBER OF SEQUENCES: 19
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/409,658
 FILING DATE: 18-SEP-1989
 SEQ ID NO: 1
 LENGTH: 3095

Query Match 2.6%; Score 57.2; DB 6; Length 3095;
 Best Local Similarity 50.3%; Pred. NO. 0.012;
 Matches 167; Conservative 0; Mismatches 163; Indels 2; Gaps 1;

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QY 101 agtacttaataaattttacatttaattgaatttttttcaataataattatta 160
   || || || || || || || || || || || || || || || || || || ||
Db 2225 agaaatttaaaaaagatctcaactatltgaagtgttgaatgaatgataagagtg 2284
QY 161 ttagtttatagaataatlaattagaanaatttgaatcccgattctctctttct 220
   || || || || || || || || || || || || || || || || || || ||
Db 2285 ttatcaagttgtaagtaaatlaaagaaatgaagaatagatgaataatt--ttcca 2342
QY 221 tgcattatcatattttcttaaccacaaccatctatagtcttcaaatagaactgga 280
   || || || || || || || || || || || || || || || || || || ||
Db 2343 aaacatttaaatlaaacaaaaaataaaaaaataaaaaaataataataaa 2402
QY 281 attatttaatttaataactgaaacaatttggatcaattcatatagatgcttgtaa 340
   || || || || || || || || || || || || || || || || || || ||
Db 2403 attttttcttatattatgtaactaatattatatttaataatataattattataaa 2462
QY 341 taaattgcatatgaattatgataatctgcaaaagattttacaataatcttcaagaana 400
   || || || || || || || || || || || || || || || || || || ||
Db 2463 aagaatactagatttctgtatataatagaanaataatcattgtatattattataagaanaa 2522

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|----|------|---|------|
| Db | 157 | ATTCATCAATATTTAAATTTATATTAATTAATTAATAAATAATTAATTAATGATACATATTTA | 216 |
| OY | 785 | gcccaatgaaaaaaacctataaaaaatctaga--cattgaaccatgaaagtcgtc | 841 |
| Db | 217 | GTCATATGTCMAATTTTAAATTTAAATTTAAATTAATTAATTAATGATATTAATTTATTTCTTTA | 276 |
| OY | 842 | tcaccatggttaaccagatcatcaactcatccatccaacataacatgagatctccctccat | 901 |
| Db | 277 | ATTAATTAATTAATAAGATTTTCATATATTAATATATTAATTTATTAATTTTATTAATTAANT | 336 |
| OY | 902 | catcaataattatttgggttaaatatbaatcatt--attttaaagataatcaagaag | 958 |
| Db | 337 | AAATATATTTATTTATTTATTAAGAATTAATTAATTTATTTAAATGATGTAATATATATTTTAT | 396 |
| OY | 959 | atthaaagattttttaaasaaaatgataaaatataatctattcatgatttttcaacatt | 1018 |
| Db | 357 | TATATATACATATTTTAAATATTAATTAATGATTTTATTAATTAATTAATTAATTAAGAT | 456 |
| OY | 1019 | gatttgataataataatatttttttaatttccttaaaagctggcaagacactata | 1078 |
| Db | 457 | TATATATTAATTAATTTTAACTTTAATTTCTTATATTAATTAATTTTATTAATTA | 516 |
| OY | 1079 | gacatagctgtgtcgttttacaagaacatcatcaatcaatcaataaaataatcaa | 1138 |
| Db | 517 | ATTATATTCATTTATTTATTTATTTATTAATTAATTAATTAATTAATTAATTAATTAATTA | 576 |
| OY | 1139 | tactaa | 1144 |
| Db | 577 | TCATTA | 582 |

RESULT 6
 US-08-998-416-1137/c
 Sequence 1137, Application US/08998416
 Patent No. 6239264
 GENERAL INFORMATION:
 APPLICANT: Philippsen, Peter
 APPLICANT: Pohlmann, Rainer
 APPLICANT: Steiner, Sabine
 APPLICANT: Mohr, Christine
 APPLICANT: Wendland, Jürgen
 APPLICANT: Knechtle, Philipp
 APPLICANT: Reibschning, Corinne
 TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSEYII
 TITLE OF INVENTION: AND USES THEREOF
 NUMBER OF SEQUENCES: 1152
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. 6239264artis Corporation
 STREET: 3054 Cornwells Road
 CITY: Research Triangle Park
 STATE: No. 6239264th Carolina
 COUNTRY: USA
 ZIP: 27709
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/998,416
 FILING DATE: 24-DEC-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: CH 0016/97
 FILING DATE: 31-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Meligs, J. Timothy
 REGISTRATION NUMBER: 38,241
 REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-541-8587
 TELEFAX: 919-541-8689
 INFORMATION FOR SEQ ID NO: 1137:

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SEQUENCE CHARACTERISTICS:
LENGTH: 636 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAC1692RP
US-08-998-416-1137

Query Match 2.6%; Score 56.2; DB 4; Length 636;
Best Local Similarity 53.4%; Pred. No. 0.015;
Matches 118; Conservative 0; Mismatches 103; Indels 0; Gaps 0;

QY 926 attaacatcttttttaagatcatatcaagaattcaaaagctttttaaanaaatgcat 985
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DB 563 AATATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 504
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QY 986 aaatcatatcatcatcatgattttcatacattgatttggataataatattttttt 1045
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DB 503 AAAATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 444
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QY 1046 aattcttcaaaaagtgttgcagacacttatctgacactagctgtctgtcttcaaaaag 1105
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DB 443 ATTTAATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 384
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QY 1106 catcatcatcatcatcatcatcatcatcatcatcatcatcatcatcatcatcat 1146
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DB 383 TTTACATATTTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 343
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RESULT 7
US-08-487-826B-13
Sequence 13, Application US/08487826B
Patent No. 5993827
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chelnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellem, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelson, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: N1H121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid

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; Patent NO. 358560/
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; GENERAL INFORMATION:

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; APPLICANT: Delcuve, Genevieve
; APPLICANT: Awang, Gregor
; TITLE OF INVENTION: Recombinant DNA Molecules and Expression
; TITLE OF INVENTION: Vectors for Tissue Plasminogen Activator
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/883,795A
; FILING DATE: 27-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gravelle, Michelle
; REGISTRATION NUMBER: 40,261
; REFERENCE/DOCKET NUMBER: 7841-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 665 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: Rh 32
US-08-883-795A-36

Query Match      2.4%; Score 52.6; DB 2; Length 665;
Best Local Similarity 55.1%; Pred. No. 0.07;
Matches 124; Conservative 0; Mismatches 99; Indels 2; Gaps 1;

QY 925 tataatcattttttaagatatttaagaataaagaatttttaaaaaaagta 984
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 25 TATAATTAAATTTTATAATTAATAATTTTATAATTTTATAATTTTATAATTT 84
QY 985 taaattcattatcattgattttcattacatttgatttgataataatattttt 1044
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 85 TATAATTAAATTTTATAATTAATAATTTTATAATTTTATAATTTTATAATTA 142
QY 1045 taattcttaaaaaaagtgtgcagaacacttattagacatagctgtctgtttacacaa 1104
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 143 TTATATATTAAATTTTATAATTTTATAATTTTATAATTTTATAATTTTATAAT 202
QY 1105 gcatcatttaacatacaataaaaaatttaactaacaagta 1149
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 203 TTATATATTAAATTTTATAATTTTATAATTTTATAATTTTATAATTAATAA 247

RESULT 14
US-09-286-691-11
; Sequence 11, Application US/09286691
; Patent No. 6190189
; GENERAL INFORMATION:
; APPLICANT: Li, Xin-Liang
; APPLICANT: Ljungdahl, Lars G.
; APPLICANT: Chen, Huizhong
; TITLE OF INVENTION: Cellulases and Coding Sequences
; FILE REFERENCE: 42-96
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; CURRENT APPLICATION NUMBER: US/09/286,691
; CURRENT FILING DATE: 1999-04-05
; EARLIER APPLICATION NUMBER: US 60/027,883
; EARLIER FILING DATE: 1996-10-04
; EARLIER APPLICATION NUMBER: PCT US97/18008
; EARLIER FILING DATE: 1997-10-03
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1826
; TYPE: DNA
; ORGANISM: Orplomyces sp. PC-2
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (69)..(1481)
US-09-286-691-11

Query Match      2.4%; Score 52.2; DB 4; Length 1826;
Best Local Similarity 49.8%; Pred. No. 0.097;
Matches 132; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 865 tcacatccaaacatacatggtatctctccacacatcatactatttgggttaa 924
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Db 1501 ttacaacataataaattatttgtaaaataaaaaagaataattttaaaaaaata 1560
QY 925 tattatcattattttaagatattttaagaataaagaattttttaaaaaagta 984
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1561 atttatattatgatttaataataataataataataataataataataataata 1620
QY 985 taaattattattcattgattttcattacatttgatttggaataaataataatttt 1044
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1621 aatatatacataaaacaaagtaaaaaaataaataaatttttagatttgataaaatttt 1680
QY 1045 taattcttaaaaaaagtgtgcagaacacttattgacatgctgttctgtttacaaa 1104
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagtttaataatgataaaaaaataataataacatttgatgatttgacataca 1740
QY 1105 gcatcatttaacatacaaaa 1129
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1741 agaaataataataaataactttaaaa 1765

RESULT 15
US-09-687-147-11
; Sequence 11, Application US/09687147
; Patent No. 6268198
; GENERAL INFORMATION:
; APPLICANT: Li, Xin-Liang
; APPLICANT: Ljungdahl, Lars G.
; APPLICANT: Chen, Huizhong
; TITLE OF INVENTION: Cellulases and Coding Sequences
; FILE REFERENCE: 42-96a
; CURRENT APPLICATION NUMBER: US/09/687,147
; CURRENT FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: US 60/027,883
; PRIOR FILING DATE: 1996-10-04
; PRIOR APPLICATION NUMBER: PCT US97/18008
; PRIOR FILING DATE: 1997-10-03
; PRIOR APPLICATION NUMBER: 09/286,691
; PRIOR FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1826
; TYPE: DNA
; ORGANISM: Orplomyces sp. PC-2
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (69)..(1481)
US-09-687-147-11
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Query Match          2.48; Score 52.2; DB 4; Length 1626;
Best Local Similarity 49.88; Pred. No. 0.097;
Matches 132; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 865 tcacatccaaacatacatgatatctccttaaccaatcataactaattatttgggttaa 924
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1501 ttacaaacatacaataatttttagtcaaatataaaaaagaataaatttttaaaaaa 1560
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 925 tattaatcattttttaagataattaagaataaagaatttttaaaaaatgta 984
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1561 attataattatgtataataataataataataataagaattactataglataga 1620
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 985 taaaattatatttcacatgatttttcatacatttggtaataaataatttttt 1044
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1621 aaatataacataaacaagaataaaaaatttaaaatttttagtattgtataaatttt 1680
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1045 taattcttaaaaaatgtgcagaacactatthagacatagcttggctgtttaaaaa 1104
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1681 aaaaagtttaataaatgataaaaaaaataataaacatttggatgtatttgcatacoa 1740
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1105 gcattcatcatttaatacatataaa 1129
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1741 agaataataataataactttaaa 1765
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Search completed: January 24, 2002, 22:05:56
Job time: 1090 sec